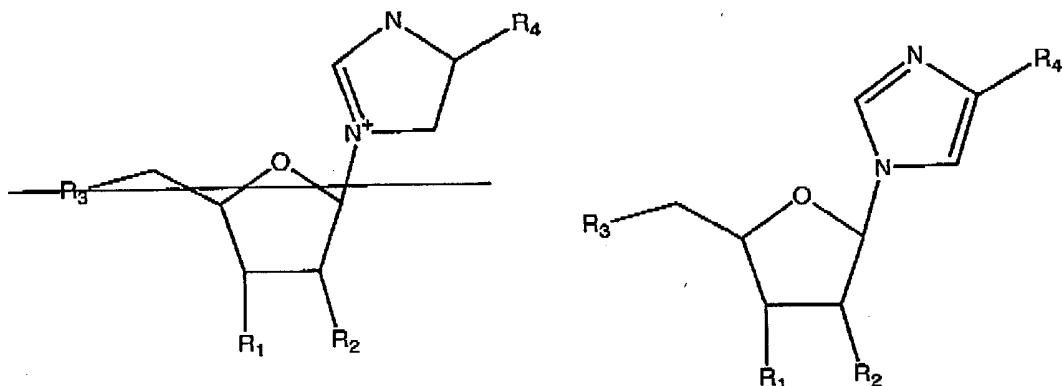


Listing of Claims:

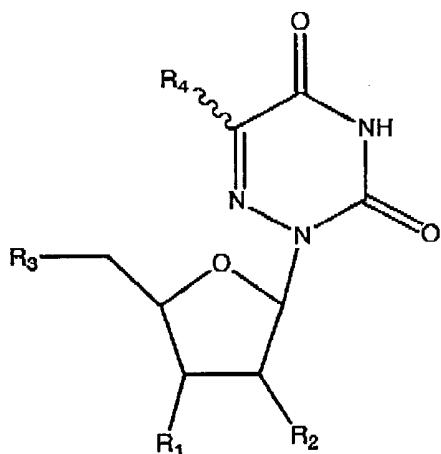
1-46. (Cancelled)

47. (Currently Amended) A compound having the formula:



wherein R<sub>1</sub> is hydrogen, hydroxyl, a phosphate linkage, or a phosphate group; R<sub>2</sub> is hydrogen or hydroxyl; R<sub>3</sub> is hydrogen, hydroxyl, a phosphate linkage, or a phosphate group; and R<sub>4</sub> is a coupled labeled moiety.

48. (Currently Amended) A compound having the formula:



wherein R<sub>1</sub> is hydrogen, hydroxyl, a phosphate linkage, or a phosphate group; R<sub>2</sub> is hydrogen or hydroxyl; R<sub>3</sub> is hydrogen, hydroxyl, a phosphate linkage, or a phosphate group; and R<sub>4</sub> is a coupled labeled moiety selected from the group consisting of a dye or hapten.

49. (Withdrawn) A method of identifying differences in nucleic acid levels between two or more nucleic acid samples, said method comprising the steps of:

(a) providing one or more oligonucleotides arrays each comprising probe oligonucleotides wherein said probe oligonucleotides comprise a nucleotide sequence or subsequences selected according to a process selected from the group consisting of a random selection, a haphazard selection, a nucleotide composition biased selection, and all possible oligonucleotides of a preselected length;

(b) providing software describing the location and sequence of probe oligonucleotides on said array;

(c) hybridizing said nucleic acid samples to said one or more arrays to form hybrid duplexes between nucleic acids in said nucleic acid samples and probe oligonucleotides in said one or more arrays that are complementary to said nucleic acids or subsequences thereof;

(d) operating said software such that said hybridizing indicates differences in said nucleic acid levels.

50. (New) A compound according to claim 48 wherein said moiety is fluorescein.

51. (New) A compound according to claim 48 wherein said moiety is biotin.